B4894A - PCT.ST25 SEQUENCE LISTING

```
<110> INSTITUT PASTEUR
       INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS
       CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE
 <120> PEPTIDES SYNTHETIQUES OU NATURELS LIANT LA PROTEINE PHOSPHATASE 2A.
METHODE D'IDENTIFICATION ET UTILISATIONS
<130>
        B4894A PCT
        PCT/FR 02/02705
2002-07-26
<140>
<141>
<150>
        FR 0110139
<151>
        2001-07-27
<160>
<170>
        PatentIn version 3.1
<210>
<211><212>
        18
        PRT
<213>
        virus HIV
<400>
Val Glu Ala Leu Ile Arg Ile Leu Gln Gln Leu Leu Phe Ile His Phe
Arg Ile
<210>
        2
<211>
        16
<212>
        PRT ·
<213>
        virus HIV
<400>
        2
Arg His Ser Arg Ile Gly Ile Ile Gln Gln Arg Arg Thr Arg Asn Gly
<210>
        3
<211>
<212>
        14
        PRT
<213>
        Theileria parva
<400>
        3
Arg Lys Ile Gly Arg Gly Lys Phe Ser Glu Val Phe Glu Gly
<210>
<211>
        29
<212>
       PRT
<213>
       Theileria parva
<400> 4
Thr Val Thr Lys Asp Cys Val Ile Lys Ile Leu Lys Pro Val Lys Lys 1 10 15
```

Page 1

```
Lys Lys Ile Lys Arg Glu Ile Lys Ile Leu Gln Asn Leu 20 25
<210>
        5
       16 ·
<211>
<212>
        PRT
        Theileria parva
<213>
<400>
Lys Ile Leu Arg Leu Ile Asp Trp Gly Leu Ala Glu Phe Tyr His Pro 1 10 15
<210> 6
<211> 12
<212> PRT
<213> virus HIV
<400>
Val Glu Ala Leu Ile Arg Ile Leu Gln Gln Leu Leu
1 10
<210>
<211> 12
<212> PRT
<213> virus HIV
<400> 7
Ala Leu Ile Arg Ile Leu Gln Gln Leu Leu Phe Ile
1 10
<210> 8
       12
<211> 12
<212> PRT
<213> virus HIV
<400> 8
Ile Arg Ile Leu Gln Gln Leu Leu Phe Ile His Phe 1 \hspace{1cm} 10
<210>
<211>
<212>
       12
       PRT
<213>
       virus HIV
<400> 9
Ile Leu Gln Gln Leu Leu Phe Ile His Phe Arg Ile
1 10
<210>
       10
<211>
       12
<212>
       PRT
<213> virus HIV
<400> 10
```

```
B4894A - PCT.ST25
Arg His Ser Arg Ile Gly Ile Ile Gln Gln Arg Arg
<210>
<211>
<212>
        11
12
        PRT
<213>
        virus HIV
<400>
        11
Ser Arg Ile Gly Ile Ile Gln Gln Arg Arg Thr Arg 1 10
<210>
        12
12
<211>
<212> PRT
<213>
        virus HIV
<400>
        12
Ile Gly Ile Ile Gln Gln Arg Arg Thr Arg Asn Gly
1 10
<210> 13
<211> 12
<212> PRT
<213>
       Theileria parva
<400>
        13
Thr Val Thr Lys Asp Lys Cys Val Ile Lys Ile Leu 1 \hspace{1cm} 5 \hspace{1cm} 10
<210>
        14
<211>
       12
<212> PRT
<213>
        Theileria parva
<400>
        14
Thr Lys Asp Lys Cys Val Ile Lys Ile Leu Lys Pro
        15
12
<210>
<211>
<212>
        PRT
<213> Theileria parva
<400> 15
Asp Lys Cys Val Ile Lys Ile Leu Lys Pro Val Lys
<210>
        16
<211>
<212>
       12
      PRT
<213>
      Theileria parva
<400> 16
Cys Val Ile Lys Ile Leu Lys Pro Val Lys Lys 1 10
```

Page 3

```
17
12
<210>
<211>
<212>
        PRT
<213>
        Theileria parva
<400> 17
Ile Lys Ile Leu Lys Pro Val Lys Lys Lys Ile
1 5 10
<210>
<211>
<212>
<213>
        18
12
        PRT
        Theileria parva
<400>
Ile Leu Lys Pro Val Lys Lys Lys Ile Lys Arg
5 10
<210>
        19
<211>
        12
<212>
        PRT
<213>
        Theileria parva
<400>
Lys Pro Val Lys Lys Lys Ile Lys Arg Glu Ile
1 5 10
<210>
        20
<211> 12
<212> PRT
<213>
        Theileria parva
<400>
        20
Val Lys Lys Lys Ile Lys Arg Glu Ile Lys Ile 1 \  \  \, 
        21
12
<210>
<211>
<212>
        PRT
<213>
       Theileria parva
<400>
Lys Lys Ile Lys Arg Glu Ile Lys Ile Leu Gln
1 10
<210>
       22
12
<211>
<212>
<213>
        PRT
        Theileria parva
<400>
Lys Ile Lys Arg Glu Ile Lys Ile Leu Gln Asn Leu
1 10
```

<400> 24

Leu Arg Leu Ile Asp Trp Gly Leu Ala Glu Phe Tyr $1 \hspace{1cm} 5 \hspace{1cm} 10$

<210> 25 <211> 12 <212> PRT <213> Theileria parva <400> 25

Leu Ile Asp Trp Gly Leu Ala Glu Phe Tyr His Pro 1 10

<210> 26 <211> 54 <212> DNA <213> virus HIV <400> 26

gtggaagcct taataagaat tctgcaacaa ctgctgttta ttcatttcag aatt 54

<210> 27 <211> 48 <212> DNA <213> virus HIV <400> 27

cgacatagca gaataggcat tattcaacag aggagaacaa gaaatgga 48

<210> 28 <211> 42 <212> DNA <213> Theileria parva

aggaagatcg gaagagggaa gttcagtgaa gtttttgagg ga

<210> 29 <211> 90 <212> DNA <213> Theileria parva

<400> 29
acagtaacga aggataaatg cgtaataaaa atcctaaagc ctgtaaagaa gaagaaaatc 60

42

32 12 <210> <211> <212> PRT <213> Theileria parva <400> 32

Ile Gly Arg Gly Lys Phe Ser Glu Val Phe Glu Gly
1 10

<210> 33 <211> 11 <212> <213> PRT Theileria parva

<400> 33

<210>

<211><212>

<213>

<210>

<211> <212>

<213>

<400> 31

<400> 30

30

48 DNA

31 12

PRT

Theileria parva

Theileria parva

Pro Arg Arg Pro Gly Pro Thr Arg Lys His Tyr 1 5 10

<210> <211> 34 18 <212> PRT <213> Theileria parva

<400>

Pro Arg Arg Pro Gly Pro Thr Arg Lys Pro Arg Arg Pro Gly Pro Thr

Arg Lys

<210> 35 <211> 18 <212> PRT <213> Theileria parva <400>

Arg Gln Lys Arg Leu Ile Arg Gln Lys Arg Leu Ile Arg Gln Lys Arg Page 6

```
B4894A - PCT.ST25
```

5

15

Leu Ile

```
<210> 36
<211> 6
<212> PRT
<213> Theileria parva
<400> 36
```

```
<210> 37
<211> 12
<212> PRT
<213> Theileria parva
```

Arg His Ser Arg Ile Gly Arg His Ser Arg Ile Gly
$$10^{-10}$$

```
<210> 38
<211> 18
<212> PRT
<213> Theileria parva
<400> 38
```

Ile Gly

```
<210> 39
<211> 18
<212> PRT
<213> Theileria parva
<400> 39
```

Ala His Ser Arg Ile Gly Ala His Ser Arg Ile Gly Ala His Ser Arg $10 \ 15$

Ile Gly

B4894A - PCT.ST25

```
<210>
        41
<211>
<212>
        16
        PRT
<213>
        Theileria parva
<400>
Arg Arg Arg Arg Arg Arg Ser Arg Gly Arg Arg Arg Arg Thr Tyr 5 10 15
<210>
<211>
<212>
        42
        6
        PRT
<213>
        Theileria parva
<400>
Arg Gln Lys Arg Leu Ile
1 5
<210>
        43
<211> 30
<212> PRT
        Theileria parva
<213>
<400>
Thr Val Thr Lys Asp Lys Cys Val Ile Lys Ile Leu Lys Pro Val Lys 1 10 15
Lys Lys Lys Ile Lys Arg Glu Ile Lys Ile Leu Gln Asn Leu 20 25 30
<210>
        44
<211>
<212>
<213>
        29
        PRT
        Theileria parva
<400> 44
Leu Phe Ile His Phe Arg Ile Gly Cys Gln His Ser Arg Ile Gly Ile 10 	 10 	 15
```

Thr Arg Arg Arg Val Arg Asp Gly Ser Ser Arg Pro 20 25